

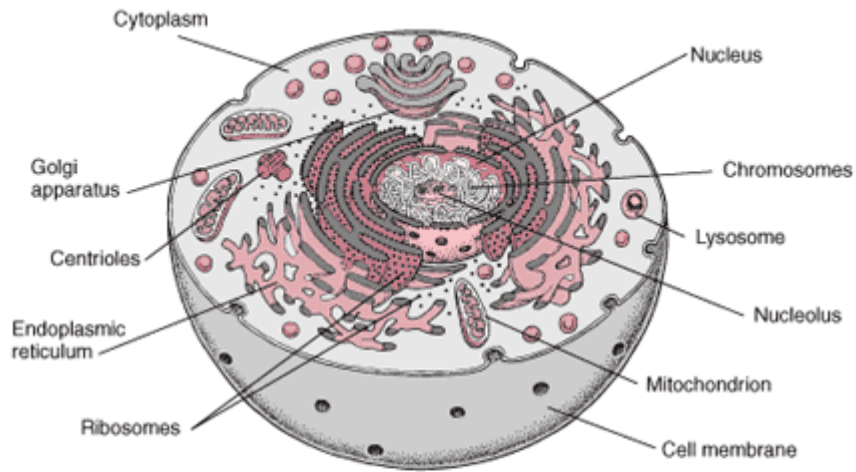
Biology
Chapter 3 Review

1. What are the characteristics of a prokaryotic cell?
2. What are colonial cells?
3. Who first saw and identified cork cells under the microscope?
4. A group of tissues working together to perform a particular function is called what?
5. What is the process of synthesizing and releasing tissue from a cell called?
6. List the parts of the Cell Theory.
 - a.
 - b.
 - c.
7. What is all living material in a cell called?
8. When dissolved substances are transported into cells to be used by cells, what is this process called?
9. What is the process of using cellular energy to change the permeability of a membrane called?

- 10..What are the characteristics of a eukaryotic cell?
11. If diffusion requires no cellular energy and is simply a physical process, what is it a form of?
12. What do chloroplasts contain?
13. What type of solution has a greater concentration of water molecules than the cell that it surrounds?
14. What type of organelle movement results from the changing of the sol and gel phases of the cytoplasmic matrix?
15. What is the “control center” of the cell?
16. What is the process called that allows for large molecules to enter a cell through pouches in the cell membrane?
17. What type of vacuole is related to turgor pressure in a plant?
18. What are the long tubular extensions from the cytoplasm of a single cell called?
19. What is the result of water diffusion into a cell by osmosis?

20. What was Robert Hooke actually seeing when he looked at “cells” under a microscope?
21. What is the type of solution in which the dissolved substances around the cell are at the same pressure as the substances inside the cell?
22. What is the bursting of cells in a hypotonic solution called?
23. What is the type of solution in which the dissolved substances around the cell are at greater pressure than the substances inside the cell?
24. What is the substance of a cell outside the nucleus?
25. Which organelle stores starch?
26. What contains protein digesting enzymes in the cell?
27. Where is protein synthesized in the cell?
28. Which organelle is made up of folded plasma membrane?
29. What is contained in plant cell walls?

30. KNOW HOW TO LABEL A DIAGRAM OF THE CELL.



Examples of Different Cells

